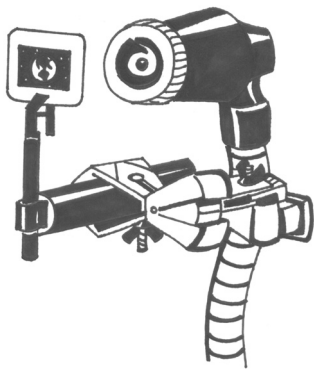




Pan the classroom...
View the world...
Explore the universe!



Try the Explorer Discovery Scope Kit—you'll be amazed at all of the different uses—Capture images from 35mm slides, specimens from a petri dish or a bug-box!

Kit Includes Explorer Clamp, Zoom Bar, Tweezers Clamp,



WARRANTY

To activate your 2 year limited warranty on your new Video Flex®, simply fill out the enclosed warranty card and mail it to Ken-A-Vision® Manufacturing Co. Failure to return your warranty card will limit your Video Flex® warranty to 90 days. Should your Video Flex® fail during the warranty period, contact your Ken-A-Vision® Dealer to arrange shipment to the factory for evaluation. The warranty will not apply if your Video Flex® serial number has been removed or if the product has been tampered with, disassembled or damaged by misuse, accident, modification or unauthorized repair. To contact Ken-A-Vision®

Video Flex® Magnification Chart (1/4" CCD)

Monitor Size	Magnification	Distance from object	Field of View	Depth of View
13" (33cm) [3mm]		10X	1-7/8" (48mm)	1-5/16" x 1-5/16" (33mm x 33mm)
13" (33cm) 1/16" (2mm)	20X		7/8" (22mm)	5/8" x 5/8" (16mm x 16mm)
20" (51cm) (16mm)	10X		2-7/8 (73mm)	2" x 2" (51mm x 51mm)
20" (51cm) [9mm]	20X		1-1/2" (38mm)	1" x 1" (26mm x 26mm)
20" (51cm) 1/8" (3mm)	30X		5/8" (16mm)	1/2" x 1/2" (13mm x 13mm)
20" (51cm) 1/16" (2mm)	40X		1/4" (6mm)	5/16" x 5/16" (6mm x 6mm)
27" (63cm)	10X		3-3/4" (95mm)	2-3/4" x 2-3/4" (70mm x 70mm)

Video Microscope Specifications:

Weight:	5.25 lbs. (2.4kg.)	Neck (coated):	40"
(101.6cm)			
Head:	90° Fixed	Lens:	8mm
QuickFocus™ C-mount:	1/4" turn	Focal Distance:	1/4" (6mm) to ∞
Magnification:	50:1	Resolution:	380 Lines
Picture Element:	542 x 496	TV System:	NTSC/PAL
Output Signal:	Composite	Microscope Adapter:	28mm & built-in 4.5mm
Warranty:	2 year		

Includes Ken-A-Vision's 100% Satisfaction guarantee!

Camera complies with Class A and B, part 15 of the FCC Rules.

OPTIONAL ACCESSORIES

A - Microscope Polarizing Adapter
VFEAPK0

B - Explorer Discovery Scope Kit
(includes Explorer Clamp-G)
VFDS2000

C - Discovery Scope Polarizing Filter
(accessory to Discovery Scope Kit)
VFDCPF

D - Cameras Lenses

VF4MM..... 4 m m

VF25MM..... 2 5 m m

E - Eyepiece Adapters
(for use with microscopes and telescopes—other sizes available)

VFEA230..... 2 3 m m

VFEA250..... 2 5 m m

VFEA280..... 2 8 m m



Learn more about the complete line of Video Flex® multi-purpose flexible video cameras and Ken-A-Vision® video microscope solutions—call 1.800.334.8407, or explore our website at: www.ken-a-vision.com



INFORMATION TO THE USER - Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna; and/or Increase the separation distance between the equipment and the receiver; and/or Connect equipment into an outlet on a circuit different from that which the receiver is connected; and/or Consult the dealer or an experienced radio/TV technician for help.

using your new

Video Flex® 2000 EXPLORER

The worlds first flexible video microscope that works anywhere—
and now it's yours!



Pan the classroom...
View the world...
Explore the universe!

Applications for your Video Flex 2000 Explorer are endless.

- Art & Animation
- Astronomy
- Video Microscopy
- Biology
- Botany
- Classroom Lectures
- Desktop Publishing
- Dissection
- Distance Learning
- Earth Science
- Experimentation
- Geography
- Geology & Mineralogy
- Graphic Illustration
- In-Field
- Multimedia
- PC Image Capture
- Physics
- Presentations

The list goes on and on...

USERS MANUAL

Get ready to experience—REAL TECHNOLOGY!



Using your Video Flex® is as easy 1, 2, 3...

1 UNPACK YOUR NEW VIDEO FLEX® 2000 EXPLORER

Remove your Video Flex® from the *Travel Pack* container. When removing, note that there are no parts to assemble—its ready to use. Just point and shoot high-resolution, precision video from any angle, anywhere! Your Video Flex® 2000 Explorer comes standard with the following accessories:

- a - 5V/DC Power Supply
- b - 28mm Microscope Alignment Adapter (the 34.5mm adapter is built right into the C-mount camera lens)
- c - 12' Video Cable
- d - Travel Pack container with plastic handle

Following inspection, if you note any of the components are damaged or missing, contact your Ken-A-Vision® dealer for an immediate replacement.

2 CONNECT THE VIDEO CABLE

Simply connect one end of the supplied Video Cable into the **YELLOW** video out connector extending from the bottom of the Video Flex®. Connect the other end of the cable into the “Video In” connector of the TV/Monitor, VCR, Video Projector, Computer or any other device with a “Video In” connection. (consult your owner's manual when using these components for operating procedures to accept a video signal)

3 CONNECT THE POWER SUPPLY

Simply connect the end of the power supply into the **RED** connector extending from the bottom of the Video Flex®. The other end connects into a 110 Volt electrical outlet. There is no “On/Off” button to worry about. Once the power supply is plugged in, you are ready to go. (For PAL units, a 220 Volt power supply is provided.)

YOU'RE DONE!

Now, just aim, focus and enjoy using your new Video Flex® 2000 Explorer!

The Only Video Microscope of its kind!

The Video Flex® will focus on objects as close as 1/4" (6mm) out to infinity with our patented QuickFocus™ C-mount lens. The focusing ring is located on the camera head—similar to that of a 35mm camera. The Video Flex® can be easily maneuvered and focused by using just one hand—our new ergonomic design. Just a 1/4" turn of the focus ring adjusts focus from close-up, to infinity.

Some Helpful Hints From Professor K.T. VISION, PHD

POSITIONING (limited only by your imagination!)

- You can coil the Video Flex® 2000 Explorer like a “Cobra”, to stand on its own, on a desk top for capturing images from a microscope, stereomicroscope or gemscope, capture 3-D images of objects or documents in desktop publishing and-on-and-on...
- Coil it behind your computer for Videoconferencing or Distance Learning applications!
- Wrap it around your neck, a tree, a telescope, a lamp or any other surface imaginable!
- You may also use the special clamp (VF2CLAMP sold separately) to mount the Video Flex® to a mobile cart, the wall above a presentation board or other horizontal/vertical surface!

POWER SUPPLY

Do not use other power supplies (even if they fit). They will produce improper voltage or reversed polarities. This will seriously damage your Video Flex® and will void your warranty. Should you need a replacement power supply, contact your Ken-A-Vision® dealer.

When using internationally, be sure to use correct voltage output (110V power

USING YOUR MICROSCOPE EYEPIECE ADAPTERS

The Microscope Eyepiece Adapters will allow your Video Flex® to be coupled with microscopes, stereo microscopes, gemscopes, telescopes or other objects with an eyepiece. You are provided with two (2) Microscope Eyepiece Adapters—a 28mm and built-in 34.5mm. Other sizes are available through your Ken-A-Vision® dealer.

Before installing a Microscope Eyepiece Adapter, simply measure the size of the outside diameter of the microscope eyepiece you are attaching to the Video Flex®. (You must first remove the eyepiece cup if one is attached to the eyepiece.) The 28mm adapter included with your Video Flex® will fit most compound microscopes, and the built-in 34.5mm adapter will fit most stereo microscopes, telescopes and gemscopes.

1. Fully extend the lens. Gently rotate the lens counter-clockwise until it is extended out. This allows for maximum magnification of the viewed objects.

2. Attach the Microscope Eyepiece Adapter. To install the eyepiece adapter, gently slip the adapter over the Microscope eyepiece. If it does not slide on easily, measure to be sure the outside diameter is 28mm or less. Other sizes are available through your Ken-A-Vision® dealer. (see page 4 for optional accessories)

3. Attach the Video Flex® to the Eyepiece Adapter. Next, gently slide the Video Flex® camera head onto the eyepiece adapter by aligning the groove around the lens on the Video Flex® with the rounded edge of the eyepiece adapter.

4. Power up. After checking to be sure that the Video Flex® is situated securely, plug in the power supply and the TV/Monitor or other video device. Voila!

Put a slide on the microscope stage. Focus the picture on the TV/Monitor by adjusting the microscope (not the Video Flex®).

CHANGING THE CAMERA LENS

There are several different lenses available for your Video Flex®. The 8mm lens is a standard which comes installed onto your unit. A 4mm (VF4mm) or 25mm (VF25mm) lens is available as an optional accessory and may be purchased through your local Ken-A-Vision® dealer.

To change the lens, simply extend the lens by rotating in a counter-clockwise rotation until fully extended. Apply a small amount of additional force in this same direction to free the lens. Screw on the new lens, then when tight, again apply a small amount of additional force to lock it in place. Rotate the lens back in a counter-clockwise direction to ensure it extends, rather than unscrews. If it unscrews, retighten in a clockwise direction, adding an additional amount of force to lock it in place.

LIGHTING

Never point your Video Flex® at direct sunlight. The Video Flex® is very light sensitive and requires very little light to operate. Subjecting the Video Flex® “eye” to direct sunlight will discolor the filter over the CCD chip and create an adverse picture.

Under certain fluorescent lighting conditions, color can slowly change. When using the Video Flex® for viewing through a fluorescent microscope, simply set the disc diaphragm on the smallest diameter hole, or close the iris diaphragm.

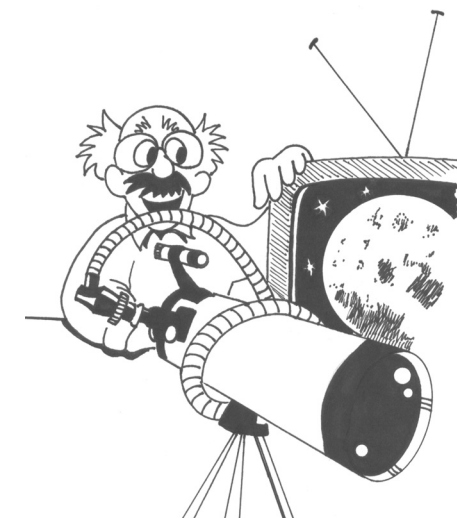
CONNECTING TO OTHER DEVICES

TV SET: You will need to use an RF Modulator or a VCR recorder. See owner's manual on RF modulator or VCR for connections and operational procedures.

TV/Monitor: Connect video cable from the “Video Out (yellow)” connector of the Video Flex to the “Video In” connector of the TV/monitor.

VCR (Recorder): Connect video cable from the “Video Out (yellow)” connector of the Video Flex® into the “Video In” connector on the VCR.

VIDEO PROJECTOR: Connect video cable from the “Video Out (yellow)” con-



You can use several different devices to project the high-resolution images captured with your Video Flex.

TV/Monitors, VCRs, CAM-corders, Video Projectors, Computers (IBM & Apple-Macintosh)--**anything that has a “VIDEO IN” connector!**

Compatible with CU-SeeMe® Video Chat Software for the Internet & Intranet!

